



ISPH-0593

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Revoc
w/P.O.A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of) Group Art Unit: 1635
Crooke and Graham) Examiner: S. McGarry
Appln No. 09/919,197)
Filed: July 31, 2001)
For: ANTISENSE MODULATION OF)
SHORT HETERODIMER)
PARTNER-1 EXPRESSION)

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APR 16 2003

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Commissioner for Patents
Washington, D. C. 20231

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST AND
REVOCATION OF PRIOR POWERS AND STATEMENT UNDER
37 CFR §3.73(b)

Sir:

As assignee of record of the entire interest of the
above-identified application, ISIS PHARMACEUTICALS, INC.
hereby revokes all powers of attorney previously given.

ISIS PHARMACEUTICALS, INC. hereby appoints the
following attorney(s) and/or agent(s) to prosecute and
transact all business in the United States Patent and
Trademark Office connected with the above-identified
application: Stanley B. Kita, Registration No. 24,561;
George A. Smith, Jr., Registration No. 24,442; Mary E.

Certificate of Mailing under 37 CFR Section 1.8

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Postal Service with sufficient postage as first class mail in an envelope addressed to
Commissioner for Patents, Washington, DC 20231 on April 9, 2003.

Diana M. Waligun
Signature

Diana M. Waligun

Typed or Printed Name of Person Signing Certificate

Bak, Registration No. 31,215; Cathy A. Kodroff, Registration No. 33,980; William Bak, Registration No. 37,277; Tracy U. Palovich, Registration No. 47,840; all of the firm of HOWSON AND HOWSON, of Spring House, Pennsylvania; and

Herb Boswell, Registration No. 27311; Laurel S. Bernstein, Registration No. 37,280; Neil S. Bartfield, Registration No. 39,901; Matthew Grumbling, Registration No. 44,427; Donna T. Ward, Registration No. 48,271, all of ISIS PHARMACEUTICALS, INC., of Carlsbad, California.

Address all telephone calls to Mary E. Bak at telephone No. (215) 540-9206. Address all correspondence to HOWSON AND HOWSON, Spring House Corporate Center, Box 457, Spring House, Pennsylvania 19477.

ISIS PHARMACEUTICALS, INC. certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors.

The evidentiary documents relating to the ownership of the above-identified application and the invention claimed therein have been reviewed, and consist of an assignment of the above-identified United States Patent Application No. 09/919,197 from the inventors to ISIS PHARMACEUTICALS, INC. The assignment was recorded at Reel 012467, Frame 0630 on January 10, 2001 at the United States Patent and Trademark Office.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above, and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned is empowered to sign this certificate on behalf of the assignee. To the best of the undersigned's knowledge and belief, title is solely in the assignee ISIS PHARMACEUTICALS, INC.

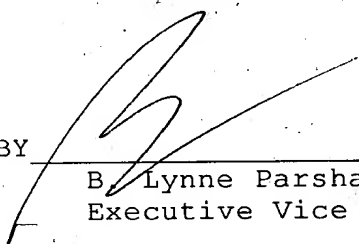
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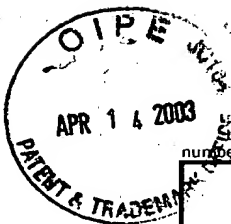
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DATE

4/4/03

BY


B. Lynne Parshall
Executive Vice President



1635

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	09/919,197
		Filing Date	July 31, 2001
		First Named Inventor	Crooke and Graham
		Group Art Unit	1635
		Examiner Name	S. McGarry
Total Number of Pages in this Submission	4	Attorney Docket Number	ISPH-0593

ENCLOSURES (check all that apply)		
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Remarks		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual Name	HOWSON AND HOWSON Mary E. Bak, Esquire
Signature	<i>Mary E. Bak</i>
Date	4/09/03

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 4/9/03			
Typed or printed name	Diana M. Waligun		
Signature	<i>Diana M. Waligun</i>	Date	4/09/03

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